

# Mayank Sharma

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## Summary

Results-driven Software Engineer with hands-on experience in building scalable backend services, REST APIs, CI/CD pipelines, microservice components, and cloud-ready applications. Proficient in Node.js, TypeScript, Python, React, SQL/NoSQL databases, and AWS. Strong background in performance optimization, automation, testing, and Agile development.

## Education

- **SRM Institute of Science and Technology** Sept 2021 – Jul 2025  
B.Tech. in Computer Science  
CGPA: 8.17/10
- **St. Mark's Sr. Sec. Public School** Apr 2020 – Apr 2021  
Higher Senior Secondary  
Score: 83.8%

## Experience

- Software Engineer Intern, Squareboat** Jun 2025 – Present
  - Built and optimized **15+ production-grade REST APIs** in **NestJS, Django, and MySQL**, improving throughput and latency by **35%**.
  - Architected and shipped an internal **Job Portal (FastAPI + React)** with role-based access, workflow automation, and cloud deployment.
  - Collaborated cross-functionally to troubleshoot critical production issues, reducing downtime incidents.
- Software Engineer Intern, Infomenja Services** Jan 2024 – Mar 2024
  - Engineered **ETL pipelines** using Python, pandas, and SQLAlchemy to ingest and transform **large, multi-source datasets**.
  - Designed validation, deduplication, and schema mapping modules, reducing manual corrections by **60%**.
  - Integrated automated tests, detailed documentation, and monitoring for high reliability and scalability.
- Software Engineer Intern, Tresor Systems** Jul 2023 – Aug 2023
  - Developed secure **file-upload APIs and metadata services**, supporting **hundreds of HR documents** with improved performance and uptime.
  - Reduced backend API latency by **25%** through query optimization and caching.
  - Contributed to API documentation, sprint planning, and cross-team technical communication.

## Projects

- **Full Stack Blog Application** — GitHub  
Built a full-featured blogging platform with authentication, CRUD operations, comments, and responsive UI using **MERN stack**.
- **Mobile Showroom Management System** — GitHub  
Created an inventory and billing system using **Python + MySQL**, enabling stock tracking, reporting, and transaction management.

## Technologies

**Languages / Frameworks:** JavaScript, TypeScript, Node.js, NestJS, FastAPI, Django, React, Python  
**Databases / Storage:** MySQL, MongoDB, Redis  
**Tools / Platforms:** Git, Docker, AWS, Postman, Bitbucket, CI/CD, Linux  
**Concepts / Skills:** REST API development, Microservices, ETL pipelines, Data modeling, Query optimization, Automated testing, Authentication & Authorization, Agile methodology

## Certifications

NPTEL: Data Mining  
Udemy: MERN & GenAI 2025  
Code4Cause: Hackathon

NPTEL: Google Cloud  
Udemy: Complete Pandas  
Vihaan: Hackathon